| Index of Claims |                  |          |    |          |                            |          |                 |          |            |                            |               | Application No. |                |          |                    |              |             |         |                |          | Applicant(s)    |            |                          |          |                       |                     |           |              |                |        |   |   |  |   |
|-----------------|------------------|----------|----|----------|----------------------------|----------|-----------------|----------|------------|----------------------------|---------------|-----------------|----------------|----------|--------------------|--------------|-------------|---------|----------------|----------|-----------------|------------|--------------------------|----------|-----------------------|---------------------|-----------|--------------|----------------|--------|---|---|--|---|
|                 |                  |          |    |          |                            |          |                 |          |            |                            |               | 1               | 10/618,825     |          |                    |              |             |         |                |          |                 |            | KRANTZ-LILIENTHAL ET AL. |          |                       |                     |           |              |                |        |   |   |  |   |
|                 |                  |          |    |          |                            |          |                 |          |            |                            |               |                 | Examiner       |          |                    |              |             |         |                |          |                 |            | tÜ                       |          |                       |                     | Ϊ         |              |                |        | 1 |   |  |   |
|                 |                  |          |    |          |                            |          |                 |          |            |                            |               |                 |                | 1        |                    |              |             |         |                |          |                 |            |                          |          |                       |                     |           |              |                |        |   |   |  |   |
|                 |                  |          |    | -        |                            | ыщ       |                 |          |            |                            |               |                 |                | _        | Christy M Green    |              |             |         |                |          |                 |            |                          | 36       | <u>335</u>            | _                   |           |              |                | L      |   |   |  | 4 |
|                 |                  | $\Box$   | _  |          | -                          | ٦        |                 | £        |            |                            |               |                 |                |          |                    |              |             |         |                |          |                 |            |                          | _        |                       |                     |           |              | ٦              |        |   |   |  |   |
| √ Rejected      |                  |          |    |          |                            | -        | -               | (1       | nrou<br>C: | hrough numera<br>Cancelled |               |                 | <sup>20)</sup> |          | N                  | N Non-E      |             | lected  |                | A        | Appeal          |            |                          | 1        |                       |                     |           |              |                |        |   |   |  |   |
|                 | <del></del>      |          |    |          |                            |          | ŀ               |          |            |                            |               |                 | -              |          |                    |              |             |         |                | $\dashv$ | H               |            |                          |          |                       | ┨                   |           |              |                |        |   |   |  |   |
|                 | = Allowed        |          |    |          |                            |          | +               |          |            | Restricted                 |               |                 | ŀ              |          |                    | 1            | In          | Interfe |                | rence    |                 | 0          | Objected                 |          |                       |                     | ł         |              |                |        |   | Į |  |   |
|                 |                  |          |    |          |                            |          |                 | ١        | ш.         |                            |               |                 |                |          |                    | ш            | _           |         |                | ئــــ    |                 | ш          |                          |          |                       |                     | J         |              |                |        |   | Ì |  |   |
| Cta             | Claim Date       |          |    |          |                            |          | _               |          | ٦.         | . Ctalm                    |               |                 |                |          | Dat                | te .         |             |         | ] [            | Ctalm    |                 | Ц          | Date                     |          |                       |                     |           | <del>-</del> | ]              |        |   | 1 |  |   |
| la l            | 펼                | 9        | -  | ł        | 1230x                      |          | ļ               |          |            |                            | _             | 夏               | 1              |          | I                  |              | ]           |         |                | П        | ㅠ               | 쿌          | H                        | ĺ        | 1                     | 1                   |           | ı            | ١              |        |   |   |  |   |
| Final           | Original         | 1915     |    |          | থ                          |          |                 | ١        |            |                            | Final         | Original        | 1              | ١        | ı                  |              |             | Н       |                |          | Flnat           | Original   | H                        | ı        | ı                     | ١                   | ١         | ı            |                | l      | 1 |   |  |   |
|                 |                  | P!       |    | _        | 3                          | $\sqcup$ | 4               | _        | 4          | 4                          |               |                 | Ц              | 4        | 4                  | 1            | L           | Ц       | $\bot$         | 1        |                 |            | Ц                        | 4        | 4                     | 4                   | 1         | 4            | 4              | ┸      | Į |   |  | ı |
| 2               | 2                | Y        | 낽  | $\dashv$ | o                          | ┥        | ╁               | -        | ┪          | -                          | ┝             | 51<br>52        | ╂┼             | +        | +                  | +            | $\vdash$    | H       | +              | 1        |                 | 101        | Н                        | ┪        | +                     | +                   | +         | +            | -              | ┿      | 1 |   |  | ļ |
| 3               | 3                | Z        | Ĭ  |          | 0                          | 口        | ユ               | ゴ        | ヸ          | ┨.                         |               | 53              |                |          | 1                  | I            |             |         |                |          |                 | 103        | 口                        |          | 1                     | I                   | 士         | 1            |                | I      | 1 |   |  | ļ |
| 4               |                  | 90       |    |          | 4                          | 4        | 4               | 4        | Н          | +                          | <b>—</b>      | 54<br>55        | H              | +        | +                  | +            | $\vdash$    | Н       | +              | П        | $\vdash$        | 104        | Н                        | 4        | +                     | +                   | +         | 4            | +              | +      | - |   |  | 1 |
| H               | 6                | Ø        | 0  |          | S                          |          | Ⅎ               | 1        | $\Box$     | <b>J</b>                   |               | 58              | H              | $\pm$    | 士                  | Ť            | T           | Ħ       | 士              | 11       |                 | 106        | Н                        | Ⅎ        | $\pm$                 | 士                   | $\pm$     | $\dagger$    | 士              | 士      | 1 |   |  |   |
| 3               | 7                | <b>V</b> | 0  |          | 0                          | Д        | $\supset$       | $\Box$   | П          | 7                          |               | 57              | П              | 7        | Ŧ                  | Ţ            | F           | Д       | 工              |          |                 | 107        | П                        | $\Box$   | 7                     | 1                   | 4         | Į            | Ţ              | Į      | 1 |   |  |   |
| 6               |                  | Y        |    |          | Z                          | Ч        | ┥               | $\dashv$ | H          | $\dashv$                   | $\vdash$      | 58<br>59        | Н              | +        | +                  | +            | +           | Н       | +              | 1        | Н               | 108        | Н                        | $\dashv$ | +                     | +                   | +         | ╁            | 十              | +      | 1 |   |  |   |
| 3               | 10               | V        | П  |          | V                          |          | ⇉               | ╛        | I          | ]                          |               | 60              | 口              |          | 1                  | I            | $\sqsubset$ | 口       | 工              |          |                 | 110        | 口                        | ⇉        | ユ                     | 1                   | 丰         | 1            | #              | I      | 1 |   |  | 1 |
| 13              | 11               | Y        | Y  |          | 2                          | П        | 4               | 4        | H          | 4                          | $\vdash$      | 61<br>62        | H              | $\dashv$ | +                  | +            | ╀           | Н       | +              | 1        | $\vdash \vdash$ | 111        | Н                        | $\dashv$ |                       | 4                   | 4         | 4            | +              | +      | - |   |  |   |
| 10              | 13               | 7        | 10 | H        | +                          | H        | $\dashv$        | ┨        | $\forall$  | $\exists$                  |               | 63              | H              | +        | +                  | 士            | T           | H       | +              | †        | $\vdash$        | 113        | H                        | $\dashv$ | +                     | +                   | +         | +            | +              | +      | 1 |   |  |   |
| 12              |                  | Z        | 0  |          | П                          |          | $\sqsupset$     |          | 口          | ۵.                         |               | 64              |                | $\Box$   | 1                  | Į            | L           |         | 工              | 11       |                 | 114        | П                        | $\Box$   | 7                     | 1                   | 1         | 1            | #              | Ţ      | 1 |   |  |   |
| 13              | 15<br>16         | 1        | 9  | Н        | H                          | H        | $\dashv$        | -        | $\vdash$   | -                          | $\vdash$      | 65<br>68        | Н              | +        | ╁                  | ┿            | ╁           | Н       | +              | -        | ┝╾╢             | 115        | Н                        | $\dashv$ | +                     | +                   | +         | ┥            | ┽              | ┿      |   |   |  | ļ |
| 15              | 17               | 17       | 5  |          | Ш                          |          | Ħ               |          | Ħ          | _                          |               | 67              |                |          | I                  | 土            | t           |         | 士              |          |                 | 117        |                          | $\Box$   | $\perp$               | 士                   |           | 1            | 士              | 土      | 1 |   |  | Į |
| The             | 18               | 0        | 7  | ŀ        | 4                          | $\Box$   | $\Box$          |          | П          | 7                          | $\vdash$      | 68              | П              | $\Box$   | 1                  | Ŧ            | L           | Ц       | _              | ľ        |                 | 118        | $\Box$                   | $\dashv$ | $\dashv$              | 4                   | 4         | 4            | $\perp$        | $\bot$ | - |   |  | - |
| 177             | 19<br>20         | 1        | S  | H        | $\stackrel{\star}{\nabla}$ | Н        | $\forall$       |          | H          | -                          | $\vdash$      | 69<br>70        | Н              | $\dashv$ | +                  | +            | ╁           | Н       | +              | 1        | Н               | 119<br>120 | Н                        | H        | +                     | ╅                   | +         | ┪            | +              | +      | 1 |   |  |   |
| 20              | 20<br>21         | Z        | 2  |          | 0                          |          | $\Box$          |          | $\Box$     |                            |               | 71              | П              | $\Box$   | 1                  | Ţ            | T           | П       | 工              | 1        |                 | 121        |                          | $\Box$   | 7                     | 7                   | Į         | 4            | $\blacksquare$ | Ŧ      | 7 |   |  |   |
| 21              | 223              | 长        |    | Н        | V                          | Н        | $\dashv$        | -        | Н          | $\dashv$                   | -             | 72<br>73        | Н              | $\dashv$ | ╅                  | ┿            | ╁           | Н       | +              | Н        | -               | 122        | Н                        | Н        | +                     | ╁                   | +         | +            | ╅              | ╁      | - |   |  |   |
| 24              | 24               | V        |    |          | Ž                          |          | ╛               |          | Ħ          | _                          |               | 74              |                | $\Box$   | 1                  | 1            | İ           |         |                | 1        |                 | 124        | Ħ                        |          | I                     | I                   | 士         | Ī            | 士              |        | 1 |   |  |   |
|                 | 25               | V        | Ш  | Ц        | Ц                          | Ц        | Д               |          | Ц          | 4                          | 匚             | 75<br>78        | A              | 4        | 4                  | $\bot$       | $\vdash$    | Ц       | 4              | ┨.       |                 | 125<br>126 |                          | П        | 4                     | 4                   | 4         | 4            | $\mp$          | +      | - |   |  | ĺ |
|                 | 26<br>27         | 4        | H  | Н        | Н                          | Н        | H               | $\dashv$ | H          | 4                          | $\vdash$      | 77              | Н              | $\dashv$ | +                  | ┿            | +           | Н       | +              | 1        |                 | 127        | Н                        | Н        | $\dashv$              | +                   | +         | ┥            | +              | +      | 1 |   |  |   |
| 18              | 28               | Ė        | V  |          | 1/2                        |          | 口               |          | 口          | コ                          |               | 78              | Ц              | コ        | #                  | $\downarrow$ | I           | 口       |                |          |                 | 128        | П                        | 口        | $\sqsupset$           | コ                   | コ         | ゴ            | 1              | 1      | 1 |   |  | į |
| 19              | ଷଞ               | $\vdash$ | 4  | Н        | 4                          | Н        | $\dashv$        | 4        | Н          | 4                          | $\vdash$      | 79<br>80        | Н              | +        | +                  | +            | ╀           | Н       | +              | -        | Н               | 129<br>130 | Н                        | H        | $\dashv$              | +                   | +         | 4            | +              | +      | - |   |  |   |
|                 | 31               |          | H  | H        |                            | Ħ        | ╛               |          | Ħ          | J                          |               | 81              | Ħ              | ╛        | 士                  |              | 上           | Ħ       | $\pm$          | 1        |                 | 131        |                          | Ħ        | $\exists$             | <u> </u>            | 士         | 1            | 士              | 士      | 1 |   |  |   |
|                 | 32               |          | П  | Д        |                            | П        | $\Box$          |          | Ц          | 4                          | F             | 82              |                | $\Box$   | 7                  | #            | L           | П       | $\bot$         |          |                 | 132        |                          | П        | $\operatorname{\Box}$ | 4                   | 4         | 4            | Ţ              | Ŧ      | - |   |  |   |
| -               | 33<br>34         | $\vdash$ | Н  | Н        | Н                          | Н        | H               | ۲        | Н          | -                          | $\vdash$      | 83              | Н              | $\dashv$ | +                  | 十            | +           | Н       | +              | 1        | $\vdash$        | 133<br>134 |                          | H        | $\dashv$              | +                   | +         | +            | +              | +      | 1 |   |  |   |
|                 | 35               | Г        |    | 口        |                            |          |                 |          | 口          | コ                          | 匚             | 85              |                | □        | コ                  | #            | I           | 口       | 丰              | 1        |                 | 135        |                          | 口        | ユ                     | ユ                   | #         | コ            | ユ              | 1      | 1 |   |  |   |
| -               | 38<br>37         | ⊢        | Н  | Н        | Н                          | Н        | $\dashv$        | $\dashv$ | Н          | $\dashv$                   | $\vdash$      | 88              | ${\mathbb H}$  | H        | +                  | +            | +           | Н       | +              | ┨        | $\vdash$        | 138<br>137 | _                        | H        | +                     | +                   | +         | 4            | +              | +      | - |   |  |   |
|                 | 38               | 上        | H  | H        | H                          | $\Box$   | $\exists$       |          | H          | $\exists$                  |               | 88              | H              | H        | t                  | 士            | 士           | H       | 士              | 1        |                 | 138        |                          | H        | ╛                     | Ⅎ                   | $\exists$ | 1            | $\pm$          | 士      | 1 |   |  |   |
|                 | 39               | Г        | П  | П        |                            | П        | $\Box$          | П        | П          | コ                          |               | 89              | П              | $\Box$   | 7                  | Ţ            | F           | П       | T              |          |                 | 139        |                          | 口        | $\Box$                | Ţ                   | 7         | コ            | 7              | T      | 1 |   |  |   |
|                 | 40               | $\vdash$ | Н  | Н        | Н                          | Н        | $\vdash \vdash$ | Н        | Н          | $\dashv$                   | $\vdash$      | 91              | Н              | $\dashv$ | +                  | +            | ╁           | Н       | +              | 1        | -               | 140<br>141 |                          | Н        | $\dashv$              | +                   | +         | $\dashv$     | +              | ┿      | + |   |  |   |
|                 | 42               |          | d  |          |                            |          | 口               |          | 口          |                            | $\sqsubseteq$ | 92              | $\Box$         | l d      | ユ                  | 1            | 上           | 口       | $\blacksquare$ | 1        |                 | 142        |                          | ╛        | ゴ                     | ゴ                   | 1         |              | 土              | 土      | 1 |   |  |   |
|                 | 33               | F        | H  | Н        | Н                          | Н        | Ц               |          | Н          | -                          | $\vdash$      | 93<br>94        | H              | H        | +                  | +            | ╀           | Н       | -              | 1        | -               | 143<br>144 | _                        | H        | 4                     | 4                   | 4         | 4            | 4              | +      | 4 |   |  |   |
|                 | <del>\$</del> 45 | H        | Н  | Н        | Н                          | H        |                 |          | H          | _                          |               | 95              |                | H        | 士                  | 士            | $\pm$       | H       |                |          |                 | 145        |                          | H        | Ⅎ                     | _                   | _         | 1            | 士              | +      | 1 |   |  |   |
|                 | 46               | L        | П  | П        | 口                          | 口        | $\Box$          | $\Box$   | 口          | 7                          | 匚             | 98              |                | $\Box$   | #                  | Ŧ            | F           | П       |                |          |                 | 148        |                          | Ц        | 耳                     | $\rightrightarrows$ | コ         | コ            | 7              | Ţ      | 1 |   |  |   |
|                 | 47 48            | ⊢        | Н  | Н        | Н                          | Н        | ert             | $\dashv$ | H          | $\dashv$                   | $\vdash$      | 97              | Н              | $\dashv$ | +                  | +            | ╀           | Н       | +              | 1        | $\vdash$        | 147<br>148 |                          | Н        | $\dashv$              | +                   | +         | +            | +              | +      | ┨ |   |  |   |
|                 | 49               |          | Ħ  | d        |                            | 口        | 口               |          | $\square$  | ゴ                          |               | 99              |                |          | 士                  | 士            | t           | Ħ       | 士              | 1        |                 | 149        | П                        | 口        |                       | 1                   | 士         | ╛            | 士              | 土      | 1 |   |  |   |
|                 | 50               | 匚        |    | Ц        |                            |          | $\Box$          |          | Ц          |                            |               | 100             |                | $\Box$   | $oldsymbol{\perp}$ | $\perp$      | L           |         |                | ]        |                 | 150        |                          |          | $\Box$                | $\Box$              | $\Box$    | $\Box$       | $\Box$         | I      |   |   |  |   |